State of Illinois
ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director

2200 Churchill Road, Springfield, IL 62794-9276

(217) 782-6760

CONFIDENTIAL

April 13, 1995

Sonya Vega
Site Assessment Manager
U.S. Environmental Protection Agency
Region 5
77 West Jackson HSM-5J
Chicago, Illinois 60604

Refer to: L1618100015 - Rock Island
John Deere Harvester Works
ILD 025423054
Superfund/HRS

Dear Sonya:

Please find enclosed a copy of the Site Inspection Prioritization (SIP) Work Plan for the John Deere Harvester Works facility in Rock Island County. The work plan has been prepared in accordance with the guidance set forth in the U.S. EPA sponsored training courses, and is designed to address all aspects of the proposed SIP. The SIP is scheduled for the week of April 24, 1995.

Also enclosed is a copy of the PA Scoresheets for the site.

A Site Safety Plan will be submitted to IEPA's Office of Chemical Safety for review.

Sincerely,

Robert Casper

Robert Casper, Project Manager
Pre-Remedial Unit
Remedial Project Management Section
Division of Remediation Management
Bureau of Land

SITE INSPECTION PRIORITIZATION WORK PLAN

FOR:

John Deere Harvester Works

PREPARED BY

SITE ASSESSMENT UNIT
DIVISION OF LAND POLLUTION CONTROL
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
2200 CHURCHILL ROAD
SPRINGFIELD, ILLINOIS 62794

CONTENTS

I. SITE INFORMATION

I. GENERAL

Site Name: John Deere Harvester Works

ILD#: 025423054

Site Location: 1100 13th Avenue
East Moline, Rock Island Co., Il.

LPC#: 1618100015

1/4, Sec. 25, NW 1/4, NW 1/2 Sect. 30, T 18N, R1E & 1W

Work plan prepared NE by:

Robert Casper

Estimated inspection date:

April 26 & 27, 1995

Work plan approved by:

Sonia B. Vega 5-4-95

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II. THE ASSIGNMENT (briefly describe the objectives of the inspection and how they are going to be accomplished).

The purpose of a Site Inspection Prioritization (SIP) inspection is to document site contamination and identify the potential migration pathways where contaminants may be transported. Soil/sediment samples will be collected during the SIP inspection to be used to evaluate the impact of contamination.

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III. SITE DESCRIPTION (briefly describe the site, including location, unique geological features, source(s) of contamination, methods of disposal and current status of activities).

The John Deere Harvester Works site is located on 246 acres of an industrial plant that began operations in the late 1800's and is still in operation. The property is located in an urban area and is bordered by private residences on the east, commercial land on the south, a trailer park on the west and the Mississippi River on the north. The

company currently manufactures and paints grain harvesting equipment. The area of concern consists of an unlined inactive waste disposal area of approximately 15 acres that is adjacent to the Mississippi river and is believed to have received various wastes including paints and solvents.

The land where the landfill is located is classified as "cut and fill land", according to Soil Survey of Rock Island County, Illinois by the US Department of Agriculture. The geology of the East Moline area consists of a clay layer to a depth of approximately 70 feet followed by a shale layer to a depth of approximately 185 feet. This is followed by the Devonian and Silurian limestone which is used locally as an aquifer. The landfill area is located within 75 feet of the Mississippi River, which is separated from the river by a levee.

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IV. SITE HISTORY (briefly describe the history of the site including previous owners, reported injuries, complaints, govt. action).

The property has been used for manufacturing agricultural equipment since the turn of the century. The company is still in operation and chemicals used during its many years of operation included paints, solvents and caustic materials. Some of these generated wastes may have been placed in the dump area, which is presently closed and covered with dirt. The landfill area was constructed in permeable soils next to the Mississippi River and does not contain a liner to prevent the potential migration of substances. The landfill is separated from the river by a levee constructed by the Army Corps of Engineers for flood control.

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SAFETY CONSIDERATIONS AT THE SITE

I. PHYSICAL HAZARDS AT SITE (briefly describe any physical hazards that the inspection team may encounter at the site).

The site is flat and the landfill area has a dirt cover with no exposed debris. Care must be taken when obtaining sediment samples from the Mississippi River due to the rocky banks and swift current. Another potential hazard at the time of sampling may be from rain, cold or other weather related problems.

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II. CHEMICAL HAZARDS AT SITE (briefly identify those chemicals that are known or are suspected to be present, include their state and physical characteristics).

A Site Inspection was conducted by Ecology and Environment on May 30, 1984 during which four surface water samples were collected but the compounds detected were not in significant quantities. Samples from wastewater collected by USEPA on January 24, 1989 contained concentrations of lead, chromium and cyanide but a copy of the report is not in the IEPA fileroom. Substances believed to be potentially present in the landfill and surrounding area include metals and various solvents associated with the painting and manufacturing processes. Measures will be taken according to the safety plan to protect the team from these hazards. No soil or sediment samples in or near the old landfill area are known to have been collected.

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III. DERMAL AND RESPIRATORY PROTECTION (identify the level of personal protection that will be used, including anticipated modifications).

Level D protection will be used at all times, with continuous air monitoring during the sample collection. If an increase occurs, the following will be implemented: 0-5 units over background Level C

5-50 units over background Level B

50-500 units over background Level A

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IV. EMERGENCY INFORMATION

Nearest Hospital: Illini Hospital (Phone) 309-792-4246

Hospital Location: 801 Hospital Road, Silvis, Illinois

Ambulance Service: Illini Hospital District Ambulance (Phone) 792-8634

Fire Service: East Moline Fire Department (Phone) 9-1-1

Police: East Moline Police Department (Phone) 9-1-1

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III. FIELD ACTIVITIES

I. TEAM ASSIGNMENTS

NAME	Responsibility
Robert Casper	Project Manager
Pete Sorensen	Safety Officer/Sampler
Kim Hubbert	Sampler
Mark Weber	Sampler

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II. FIELD WORK PROPOSED
(check all that apply)

	Activity	Procedures
X	Ambient Air Sampling (OVA, HNU, etc.)	IEPA Methods Manual pp.19-23
	Groundwater Sampling	IEPA Methods Manual pp.1-5
	Surface Water Sampling	IEPA Methods Manual pp.6-10
X	Soil/Sediment Sampling	IEPA Methods Manual pp.13-18
	Tap Water Sampling	IEPA Methods Manual pp.11-12
	Slope Determinations	IEPA Methods Manual pp.24-25
	Water Level Measurements	IEPA Methods Manual p.31
X	Perimeter Survey	IEPA Methods Manual p.33
X	Site Inspection	IEPA Methods Manual pp.34-39
	Soil Borings/Well Installation	IEPA Methods Manual pp.26-30
	Public Interviews	IEPA Methods Manual p.40
	Groundwater Flow Determination	IEPA Methods Manual p.32
X	Decontamination Procedures	IEPA Methods Manual pp.41-56
	Others:	

IV. SAMPLING

I. PROCEDURES (briefly describe the procedures the inspection team will employ in their collection of environmental samples).

All samples will be collected in accordance with the Illinois Environmental Protection Agency's Site Inspection QAPP. Soil/sediment samples will be collected with stainless steel trowels or bucket augers.

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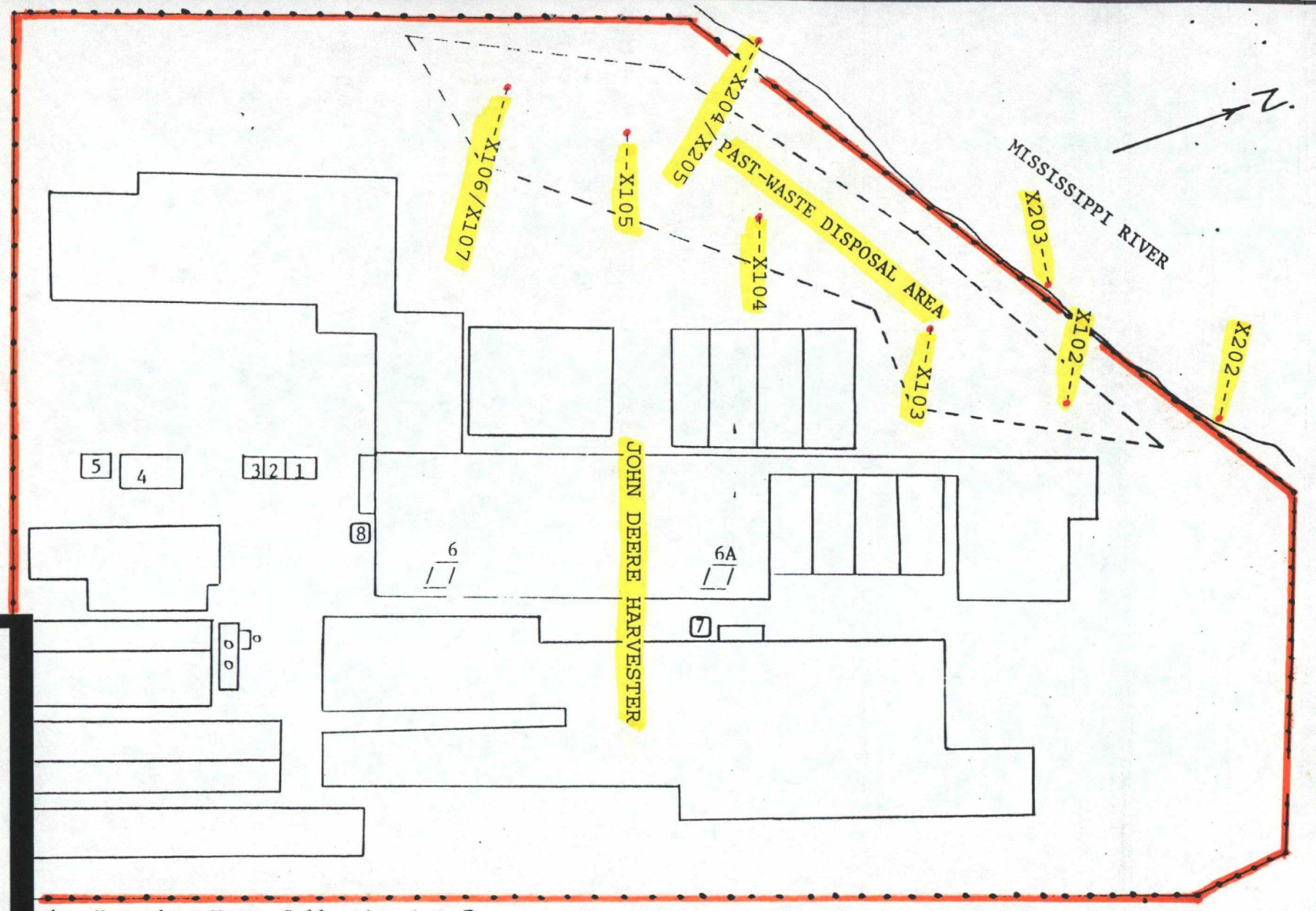


SAMPLE LOCATION MAP

JOHN DEERE HARVESTER

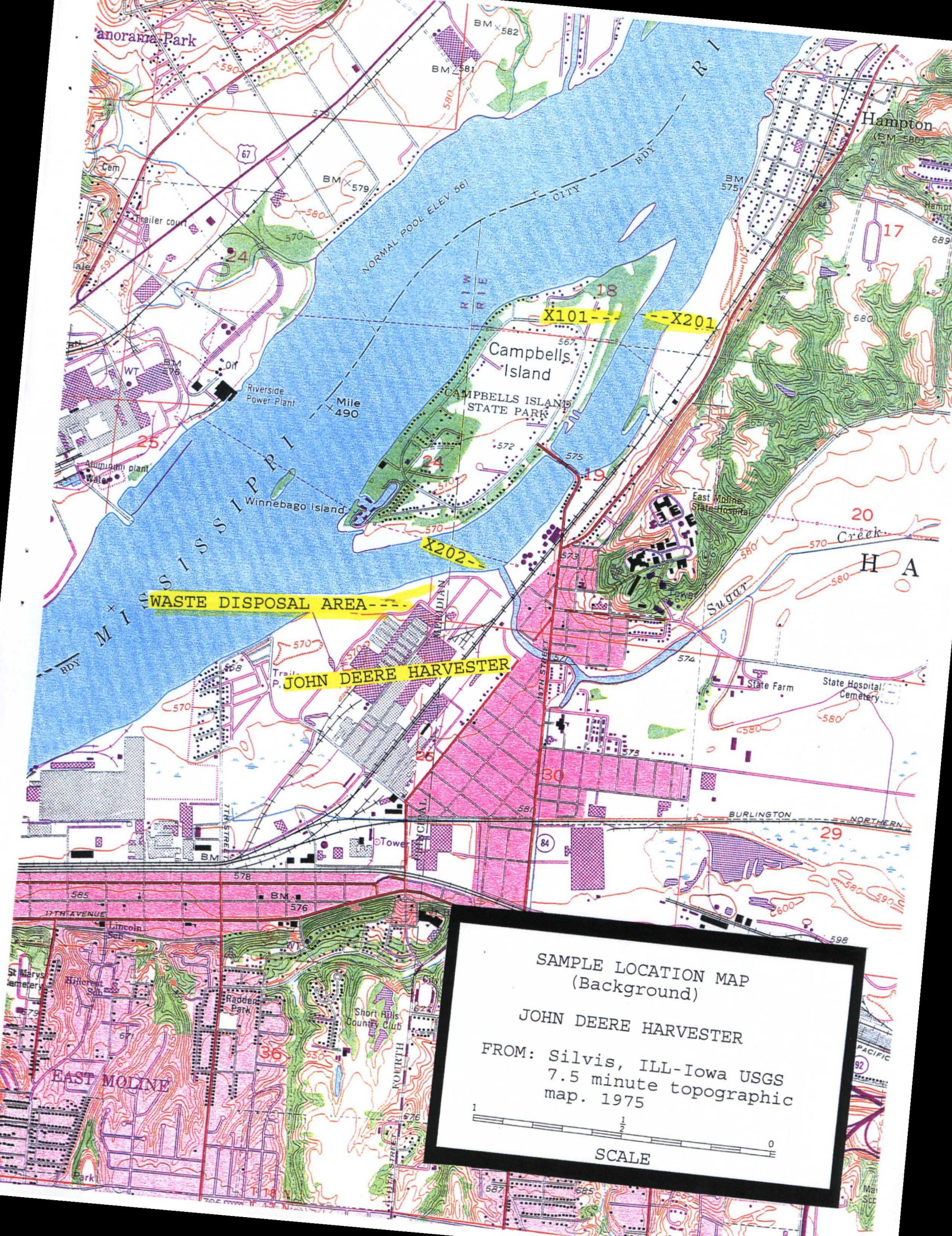
1. Hazardous Waste Collection Area
2. Barrel Storage Area
3. Caustic Neutralization & Storage

Construction was begun on these facilities 27 October 1980

4. Industrial Waste Water Treatment System
5. Mechanical Equipment for Water Treatment
6. & 6A. Chromic Acid Reduction Tanks
7. Present Barrel Storage Area
8. Present Barrel Storage Area

Barrels stored in these areas will be moved to the area 2.

Waste water is collected in sumps at various locations and pumped to the water treatment tanks.



SAMPLE LOCATION MAP
(Background)

JOHN DEERE HARVESTER

FROM: Silvis, ILL-Iowa USGS
7.5 minute topographic
map. 1975

1 1/2 0

SCALE

II. LOCATION OF SAMPLES (identify the number of samples, their type and their location. The attached map should identify these locations).

Sample #	Type	Location	Justification
X101	Soil	Campbells Island	Background soil sample collected from Campbells Island State Park, located approximately 0.4 miles north of the landfill area. Justification: Background.
X102	Soil	East part of dump area.	To determine if contamination is present. Justification: Source.
X103	Soil	East-central part of dump area.	To determine if contamination is present. Justification: Source.
X104	Soil	Central part of dump area.	To determine if contamination is present. Justification: Source.
X105	Soil	West-central part of dump area.	To determine if contamination is present. Justification: Source.
X106 X107	Soil	West part of dump area.	To determine if contamination is present. Duplicate samples. Justification: Source.
X201	Sediment	Campbells Island	Background sediment sample collected from Campbells Island State Park, located approximately 0.4 miles north of the landfill area. Justification: Background.
X202	Sediment	Mississippi river below sugar creek.	To determine if contamination is present in river sediments. Justification: Target.
X203	Sediment	Mississippi river adjacent to the landfill.	To determine if contamination is present in river sediments. Justification: Target.
X204 X205	Sediment	Mississippi river adjacent to the landfill.	To determine if contamination is present in river sediments. Justification: Target and duplicate sample.

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III. ANALYTICAL SERVICES (identify the laboratory that will perform the analysis of the samples taken at the site, include requested analysis)

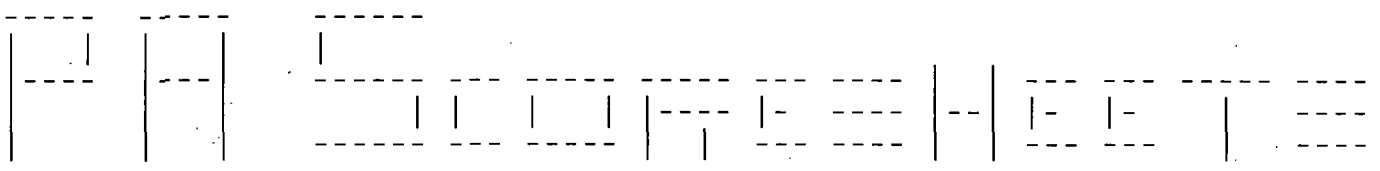
The samples will be analyzed for the target compound list. The organic samples will be analyzed by the IEPA's Springfield lab and the inorganic compounds will be analyzed at the IEPA lab in Champaign.

ATTACHMENT I

RECORDS AND DOCUMENTATION (Check the records or documents that will be generated during this project)

- X Work Plan
- X Safety Plan
- X Sampling Plan
- X Equipment Checklist
- X Log Book
- X Chain of Custody Records
- X Sample Analysis Records
- X Photographs
- Drilling Logs
- X Correspondence
- X Personal Interview Tapes or Transcripts
- X Maps
- Instrument Calibration Records
- Procurement Documents
- X Site Inspection Form (2070-13)
- X HRS Scoring Package
- Other (specify)

OMB Approval Number: 2050-0095
Approved for Use Through: 4/95



Site Name: John Deere Harvester
CERCLIS ID No.: 025423054
Street Address: 1100 13th Avenue
City/State/Zip: East Moline, IL 61244

Investigator: Robert Casper
Agency/Organization: IEPA
Street Address: 2200 Churchill Road
City/State: Springfield, IL

Date: 4/12/95

WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

1 Old waste disposal	Landfill	Ref: 1,3	WQ value	maximum
Area	1.50E+01 acres		1.92E+02	1.92E+02

Past waste area consisted of approximately 15 acres, as determined from the IEPA site reconnaissance visit on 4/7/95.
Ref: 3

** Only First WC Page Is Printed ** | Waste Characteristics Score: WC = 32

Ground Water Pathway Criteria List
Suspected Release

Are sources poorly contained? (y/n/u)	Y
Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	N
Is precipitation heavy? (y/n/u)	N
Is the infiltration rate high? (y/n/u)	N
Is the site located in an area of karst terrain? (y/n)	N
Is the subsurface highly permeable or conductive? (y/n/u)	N
Is drinking water drawn from a shallow aquifer? (y/n/u)	N
Are suspected contaminants highly mobile in ground water? (y/n/u)	N
Does analytical or circumstantial evidence suggest ground water contamination? (y/n/u)	N
Other criteria? (y/n) N	
SUSPECTED RELEASE? (y/n)	N

Summarize the rationale for Suspected Release:

No release documented.

Ref: 1

Ground Water Pathway Criteria List
Primary Targets

Is any drinking water well nearby? (y/n/u)

Has any nearby drinking water well been closed? (y/n/u)

Has any nearby drinking water well user reported foul-testing or foul-smelling water? (y/n/u)

Does any nearby well have a large drawdown/high production rate? (y/n/u)

Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance? (y/n/u)

Does analytical or circumstantial evidence suggest contamination at a drinking water well? (y/n/u)

Does any drinking water well warrant sampling? (y/n/u)

Other criteria? (y/n)

PRIMARY TARGET(S) IDENTIFIED? (y/n)

Summarize the rationale for Primary Targets:

GROUND WATER PATHWAY SCORESHEETS

Pathway Characteristics

		Ref.
Do you suspect a release? (y/n)	No	
Is the site located in karst terrain? (y/n)	No	2,4
Depth to aquifer (feet):	400	2,4
Distance to the nearest drinking water well (feet):	5000	2,4

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		340	
LR =	0	340	

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) N	0	1685	
5. NEAREST WELL	0	9	
6. WELLHEAD PROTECTION AREA >0 - 4 Miles	0	5	
7. RESOURCES	0	5	
T =	0	1704	

WASTE CHARACTERISTICS

WC =	0	32

GROUND WATER PATHWAY SCORE: 100

Ground Water Target Populations

Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	Value
None				
*** Note : Maximum of 5 Wells Are Printed ***			Total	

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	0	4	0
Greater than 1/4 to 1/2 mile	0	4	0
Greater than 1/2 to 1 mile	66078	4	1668
Greater than 1 to 2 miles	1000	4	9
Greater than 2 to 3 miles	481	4	7
Greater than 3 to 4 miles	205	4	1
		Total	1685

Apportionment Documentation for a Blended System

Ref: 2

Surface Water Pathway Criteria List
Suspected Release

Is surface water nearby? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	N
Is the drainage area large? (y/n/u)	N
Is rainfall heavy? (y/n/u)	N
Is the infiltration rate low? (y/n/u)	N
Are sources poorly contained or prone to runoff or flooding? (y/n/u)	N
Is a runoff route well defined(e.g.ditch/channel to surf.water)? (y/n/u)	N
Is vegetation stressed along the probable runoff path? (y/n/u)	N
Are sediments or water unnaturally discolored? (y/n/u)	N
Is wildlife unnaturally absent? (y/n/u)	N
Has deposition of waste into surface water been observed? (y/n/u)	N
Is ground water discharge to surface water likely? (y/n/u)	U
Does analytical/circumstantial evidence suggest S.W. contam? (y/n/u)	N
Other criteria? (y/n) N	
SUSPECTED RELEASE? (y/n)	N

Summarize the rationale for Suspected Release:

No relese documented.

Ref: 1.2

Surface Water Pathway Criteria List
Primary Targets

Is any target nearby? (y/n/u) If yes: Y
- Y Drinking water intake
- Y Fishery
- Y Sensitive environment

Has any intake, fishery, or recreational area been closed? (y/n/u) N

Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target? (y/n/u) N

Does any target warrant sampling? (y/n/u) If yes: N
- N Drinking water intake
- N Fishery
- N Sensitive environment

Other criteria? (y/n) N

PRIMARY INTAKE(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Intakes:

No primary targets impacted.

Ref: 1,2

continued -------

continued -------

Other criteria? (y/n) N

PRIMARY FISHERY(IES) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Fisheries:

None affected.

Ref: 1,2

Other criteria? (y/n) N

PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Sensitive Environments:

No primary targets.

Ref: 6,7

SURFACE WATER PATHWAY SCORESHEETS

Pathway Characteristics		Ref.
Do you suspect a release? (y/n)	No	
Distance to surface water (feet):	200	3
Flood frequency (years):	100	8
What is the downstream distance (miles) to:		
a. the nearest drinking water intake?	1.0	4
b. the nearest fishery?	0.0	7
c. the nearest sensitive environment?	0.0	6

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		500	
LR =	0	500	

Drinking Water Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type, flow (if applicable), and number of people served by each drinking water intake.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	1	
6. NEAREST INTAKE	0	0	
7. RESOURCES	0	5	
T =	0	6	

Drinking Water Threat Target Populations

Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served	Ref.	Value
1 E. Moline	N	>10000 cfs	100000	4	0

Total Primary Target Population Value	0
Total Secondary Target Population Value	0

*** Note : Maximum of 6 Intakes Are Printed ***

Apportionment Documentation for a Blended System

Ref: 1,2

Human Food Chain Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
8. Determine the water body type and flow for each fishery within the target limit.			
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	0	12	
T =	0	12	

Human Food Chain Threat Targets

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 Mississippi River	N	>10000 cfs	5	12

Total Primary Fisheries Value	0
Total Secondary Fisheries Value	0

*** Note : Maximum of 6 Fisheries Are Printed ***

Environmental Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
11. Determine the water body type and flow (if applicable) for each sensitive environment.			
12. PRIMARY SENSITIVE ENVIRONMENTS	0		
13. SECONDARY SENSITIVE ENVIRONS.	0	10	
T =	0	10	

Environmental Threat Targets

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 Wetlands	N	>10000 cfs	5	0
2 Fisheries	N	>10000 cfs	6,7	0

Total Primary Sensitive Environments Value 0
Total Secondary Sensitive Environments Value 0

*** Note: Maximum of 6 Sensitive Environments Are Printed ***

Surface Water Pathway Threat Scores

Threat	Likelihood of Release(LR) Score	Targets(T) Score	Pathway Waste Characteristics (WC) Score	Threat Score LR x T x WC / 82,500
Drinking Water	500	6	32	1
Human Food Chain	500	12	32	2
Environmental	500	10	32	2

SURFACE WATER PATHWAY SCORE: 5

Soil Exposure Pathway Criteria List
Resident Population

Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination? (y/n/u)	N
Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator? (y/n/u)	N
Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities? (y/n/u)	N
Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems? (y/n/u)	N
Does any neighboring property warrant sampling? (y/n/u)	N
Other criteria? (y/n)	N
RESIDENT POPULATION IDENTIFIED? (y/n)	N

Summarize the rationale for Resident Population:

None.

Ref: 3

SOIL EXPOSURE PATHWAY SCORESHEETS

Pathway Characteristics		Ref.
Do any people live on or within 200 ft of areas of suspected contamination? (y/n)	No	3
Do any people attend school or daycare on or within 200 ft of areas of suspected contamination? (y/n)	No	3
Is the facility active? (y/n):	Yes	3

LIKELIHOOD OF EXPOSURE	Suspected Contamination	References
1. SUSPECTED CONTAMINATION LE =	550	

Targets

2. RESIDENT POPULATION 0 resident(s) 0 school/daycare student(s)	0	
3. RESIDENT INDIVIDUAL	0	
4. WORKERS None	0	
5. TERRES. SENSITIVE ENVIRONMENTS	0	
6. RESOURCES	0	
T =	0	

WASTE CHARACTERISTICS

WC = 32

RESIDENT POPULATION THREAT SCORE: 0

NEARBY POPULATION THREAT SCORE: 1

Population Within 1 Mile: 1 - 10,000

SOIL EXPOSURE PATHWAY SCORE: 1

Soil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
None		
Total Terrestrial Sensitive Environments Value		

*** Note : Maximum of 7 Sensitive Environments Are Printed ***

Air Pathway Criteria List
Suspected Release

Are odors currently reported? (y/n/u)	N
Has release of a hazardous substance to the air been directly observed? (y/n/u)	N
Are there reports of adverse health effects (e.g., headaches, nausea, dizziness) potentially resulting from migration of hazardous substances through the air? (y/n/u)	N
Does analytical/circumstantial evidence suggest release to air? (y/n/u)	N
Other criteria? (y/n) N	
SUSPECTED RELEASE? (y/n)	N

Summarize the rationale for Suspected Release:

None.

Ref: 1,3,4

AIR PATHWAY SCORESHEETS

Pathway Characteristics

		Ref.
Do you suspect a release? (y/n)	No	
Distance to the nearest individual (feet):	0	

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		500	
LR =	0	500	

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION	0	194	
5. NEAREST INDIVIDUAL	0	20	
6. PRIMARY SENSITIVE ENVIRONS.	0		
7. SECONDARY SENSITIVE ENVIRONS.	0	0	
8. RESOURCES	0	5	
T =	0	219	

WASTE CHARACTERISTICS

WC =	0	32

AIR PATHWAY SCORE: **42**

Air Pathway Secondary Target Populations

Distance Categories	Population	References	Value
Onsite	1700	3	163
Greater than 0 to 1/4 mile	0	4	0
Greater than 1/4 to 1/2 mile	1205	4	9
Greater than 1/2 to 1 mile	4481	4	8
Greater than 1 to 2 miles	11566	4	8
Greater than 2 to 3 miles	16840	4	4
Greater than 3 to 4 miles	23672	4	2
		Total Secondary Population Value	194

Air Pathway Primary Sensitive Environments

Sensitive Environment Name	Reference	Value
None		
Total Primary Sensitive Environments Value		

*** Note : Maximum of 7 Sensitive Environments Are Printed***

Air Pathway Secondary Sensitive Environments

Sensitive Environment Name	Distance	Reference	Value
None			
Total Secondary Sensitive Environments Value			

SITE SCORE CALCULATION	SCORE
GROUND WATER PATHWAY SCORE:	100
SURFACE WATER PATHWAY SCORE:	5
SOIL EXPOSURE PATHWAY SCORE:	1
AIR PATHWAY SCORE:	42
SITE SCORE:	54

SUMMARY

1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? No

   If yes, identify the well(s).

   If yes, how many people are served by the threatened well(s)? 0

2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?
   A. Drinking water intake No
   B. Fishery No
   C. Sensitive environment (wetland, critical habitat, others) No

   If yes, identity the target(s).

3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility? No

   If yes, identify the properties and estimate the associated population(s)

4. Are there public health concerns at this site that are not addressed by PA scoring considerations? No

   If yes, explain:

REFERENCE LIST

1. Site inspection of John Deere Harvester dump area, 5/30/84.
2. IEPA PWS Microfiche files.
3. IEPA site reconnaissance visit of 4/7/95.
4. ESI Prioritization Questionnaire, 9/17/91
5. Water Resources Data book, volume 1, 1989.
6. Wetland inventory maps.
7. Illinois fishing guide.
8. Flood Insurance Rate Map for East Moline, Il., 10/15/82

OMB Approval Number: 2050-0095
Approved for Use Through: 4/95

POTENTIAL HAZARDOUS WASTE SITE

PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State:	CERCLIS Number:
IL	025423054

CERCLIS Discovery Date: 8/1/80

1. General Site Information

Name:	Street Address:
John Deere Harvester	1100 13th Avenue

City:	State:	Zip Code:	County:	Co. Code:	Cong. Dist:
East Moline	IL	61244	RockIsland	161	17

Latitude: Longitude:	Approx. Area of Site:	Status of Site:
41 31' 46.0" 90 27' 5.0"	246 acres	Active

2. Owner/Operator Information

Owner:	Operator:
Deere and Company	John Deere Harvester Works
Street Address: John Deere Road	Street Address: 1100 13th Avenue
City: Moline	City: East Moline
State: IL / Zip Code: 61265 / Telephone: 309-752-8000	State: IL / Zip Code: 61244 / Telephone: 309-752-6272
Type of Ownership: Private	How Initially Identified: Federal Program

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION State: IL CERCLIS Number: 025423054 CERCLIS Discovery Date: 8/1/80

3. Site Evaluator Information

Name of Evaluator:	Agency/Organization:	Date Prepared:
Robert Casper	IEPA	4/12/95

Street Address:	City:	State:
2200 Churchill Road	Springfield	IL

Name of EPA or State Agency Contact:	Telephone:
Robert Casper	217-524-1661

Street Address:	City:	State:
2200 Churchill Road	Springfield	IL

4. Site Disposition (for EPA use only)

Emergency Response/Removal Assessment Recommendation: No Date:	CERCLIS Recommendation: Higher Priority SI Date:	Signature: Name: Position:

POTENTIAL HAZARDOUS

WASTE SITE

PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State: IL

CERCLIS Number: 025423054

CERCLIS Discovery Date: 8/1/80

5. General Site Characteristics

Predominant Land Uses Within 1 Mile of Site:
- Industrial
- Commercial
- Residential

Site Setting: Urban

Years of Operation:
- Beginning Year: 1900
- Ending Year: 1995

Type of Site Operations:
- Manufacturing
  - Other Manufacturing

Waste Generated: Onsite

Waste Deposition Authorized By: Present Owner

Waste Accessible to the Public: No

Distance to Nearest Dwelling, School, or Workplace: 200 Feet

6. Waste Characteristics Information

Source Type	Quantity	Tier
Landfill	1.50e+01 acres	A

General Types of Waste:
- Organics
- Inorganics
- Solvents
- Paints/Pigments
- Acids/Bases

Physical State of Waste as Deposited
- Solid
- Liquid
- Sludge

Tier Legend
- C = Constituent
- W = Wastestream
- V = Volume
- A = Area

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION State: IL CERCLIS Number: 025423054 CERCLIS Discovery Date: 8/1/80

7. Ground Water Pathway

Is Ground Water Used for Drinking Water Within 4 Miles: No Type of Ground Water Wells Within 4 Miles: Municipal, Private Depth to Shallowest Aquifer: 400 Feet Karst Terrain/Aquifer Present: No	Is There a Suspected Release to Ground Water: No Have Primary Target Drinking Water Wells Been Identified: No Nearest Designated Wellhead Protection Area: >0 - 4 Miles	List Secondary Target Population Served by Ground Water Withdrawn From: 0 - 1/4 Mile: 0 >1/4 - 1/2 Mile: 0 >1/2 - 1 Mile: 66078 >1 - 2 Miles: 1000 >2 - 3 Miles: 481 >3 - 4 Miles: 205 Total: 67764

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION State: IL CERCLIS Number: 025423054 CERCLIS Discovery Date: 8/1/80

8. Surface Water Pathway Part 1 of 4

Type of Surface Water Draining Site and 15 Miles Downstream: River	Shortest Overland Distance From Any Source to Surface Water: 200 Feet, 0.0 Miles
Is there a Suspected Release to Surface Water: No	Site is Located in: >10 yr - 100 yr floodplai

8. Surface Water Pathway Part 2 of 4

Drinking Water Intakes Along the Surface Water Migration Path: Yes

Have Primary Target Drinking Water Intakes Been Identified: No

Secondary Target Drinking Water Intakes:

Name	Water Body/Flow(cfs)	Population Served
E. Moline	large river/ >10000	100000
	Total Within 15 Miles:	100000

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION State: IL CERCLIS Number: 025423054 CERCLIS Discovery Date: 8/1/80

8. Surface Water Pathway — Part 3 of 4

Fisheries Located Along the Surface Water Migration Path: Yes

Have Primary Target Fisheries Been Identified: No

Secondary Target Fisheries:

Fishery Name	Water Body Type/Flow(cfs)
Mississippi River	large river/ >10000

8. Surface Water Pathway — Part 4 of 4

Wetlands Located Along the Surface Water Migration Path? (y/n) Yes

Have Primary Target Wetlands Been Identified? (y/n) No

Secondary Target Wetlands:

Water Body/Flow(cfs)	Frontage(mi)
large river/ >10000	>3 to 4

Other Sensitive Environments Along the Surface Water Migration Path: Yes

Have Primary Target Sensitive Environments Been Identified: No

Secondary Target Sensitive Environments:

Water Body/Flow(cfs)	Sensitive Environment Type
large river/ >10000	State land designated for wildlife/game m

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State:	CERCLIS Number:
IL	025423054

CERCLIS Discovery Date: 8/1/80

9. Soil Exposure Pathway

Are People Occupying Residences or Attending School or Daycare on or Within 200 Feet of Areas of Known or Suspected Contamination: No

Number of Workers Onsite: None

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination: No

10. Air Pathway

Total Population on or Within:	
Onsite	1700
0 - 1/4 Mile	0
>1/4 - 1/2 Mile	1205
>1/2 - 1 Mile	4481
>1 - 2 Miles	11566
>2 - 3 Miles	16840
>3 - 4 Miles	23672
Total	59464

Is There a Suspected Release to Air: No

Wetlands Located Within 4 Miles of the Site: No

Other Sensitive Environments Located Within 4 Miles of the Site: No

Sensitive Environments Within 1/2 Mile of the Site:
None